



Bacteriophage T4 — The Original NanoBot

Bacteriophage T4 is a virus that infects bacteria. When T4 touches the bacterial surface, its articulated legs bend. When the baseplate makes contact, an enzyme is released, burning a hole through the cell wall. Instantly the stalk shortens and, like a syringe, injects DNA into the bacteria. The DNA takes over the infected host and turns it into an efficient virus factory.